

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 05-13-12**

Date: 5/7/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
SE	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SE	6:30 AM	30 min Avg	0	30 min Avg	0.01	0.035	0.045
SE	7:00 AM	30 min Avg	0.017	30 min Avg	0.02	0.052	0.062
SE	7:30 AM	30 min Avg	0.015	30 min Avg	0.012	0.050	0.060
SE	8:00 AM	30 min Avg	0.006	30 min Avg	0.013	0.041	0.051
SE	8:30 AM	30 min Avg	0.054	30 min Avg	0.018	0.089	0.099
SE	9:00 AM	30 min Avg	0.027	30 min Avg	0.012	0.062	0.072
SE	9:30 AM	30 min Avg	0	30 min Avg	0.044	0.035	0.045
SE	10:00 AM	30 min Avg	0.006	30 min Avg	0.011	0.041	0.051
SE	10:30 AM	30 min Avg	0.011	30 min Avg	0.016	0.046	0.056
SSE	11:00 AM	30 min Avg	0.008	30 min Avg	0.008	0.043	0.053
SSE	11:30 AM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
SSE	12:00 PM	30 min Avg	0.025	30 min Avg	0.009	0.060	0.070
SSE	12:30 PM	30 min Avg	0.002	30 min Avg	0.009	0.037	0.047
SE	1:00 PM	30 min Avg	0.01	30 min Avg	0.013	0.045	0.055
SE	1:30 PM	30 min Avg	0.008	30 min Avg	0.008	0.043	0.053
SE	2:00 PM	30 min Avg	0.012	30 min Avg	0.022	0.047	0.057
ESE	2:30 PM	30 min Avg	0.009	30 min Avg	0	0.044	0.054
ESE	3:00 PM	30 min Avg	0.011	30 min Avg	0.017	0.046	0.056
ESE	3:30 PM	30 min Avg	0.002	30 min Avg	0	0.037	0.047
ESE	4:00 PM	30 min Avg	0.01	30 min Avg	0.017	0.045	0.055
E	4:30 PM	30 min Avg	0.007	30 min Avg	0.008	0.042	0.052
ESE	5:00 PM	30 min Avg	0.016	30 min Avg	0.008	0.051	0.061
ESE	5:30 PM	30 min Avg	0.002	30 min Avg	0.015	0.037	0.047

E-BAM locations (Upwind) SW- south of building 3 ( Downwind) NW- north of building 2

**Action Levels**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage: The 9:30 reading reached an action level. More dust suppression was added to roadways and work areas.*

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**Notes:**

All readings in mg/m<sup>3</sup>

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 05-13-12**

Date: 5/8/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
E	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
ESE	6:30 AM	30 min Avg	0.018	30 min Avg	0.031	0.053	0.063
SE	7:00 AM	30 min Avg	0.011	30 min Avg	0.01	0.046	0.056
SE	7:30 AM	30 min Avg	0.007	30 min Avg	0.02	0.042	0.052
ENE	8:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
NE	8:30 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
NE	9:00 AM	30 min Avg	0.022	30 min Avg	0.009	0.057	0.067
NE	9:30 AM	30 min Avg	0	30 min Avg	0.015	0.035	0.045
NE	10:00 AM	30 min Avg	0.055	30 min Avg	0.018	0.090	0.100
NE	10:30 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
NE	11:00 AM	30 min Avg	0.009	30 min Avg	0.013	0.044	0.054
NE	11:30 AM	30 min Avg	0.028	30 min Avg	0.026	0.063	0.073
NE	12:00 PM	30 min Avg	0.002	30 min Avg	0.035	0.037	0.047
NE	12:30 PM	30 min Avg	0.009	30 min Avg	0	0.044	0.054
NE	1:00 PM	30 min Avg	0.007	30 min Avg	0.025	0.042	0.052
NE	1:30 PM	30 min Avg	0.008	30 min Avg	0	0.043	0.053
NE	2:00 PM	30 min Avg	0.008	30 min Avg	0.011	0.043	0.053
NNE	2:30 PM	30 min Avg	0.006	30 min Avg	0.016	0.041	0.051
	3:00 PM	30 min Avg		30 min Avg		0.035	0.045
	3:30 PM	30 min Avg		30 min Avg		0.035	0.045
	4:00 PM	30 min Avg		30 min Avg		0.035	0.045
	4:30 PM	30 min Avg		30 min Avg		0.035	0.045
	5:00 PM	30 min Avg		30 min Avg		0.035	0.045
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- north of building 2  
[8:05 (Upwind) NW- north of building 2 (Downwind) South of building 3]

**Action Levels**

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

*Note time/duration of work stoppage: At 2:30 all work including the E-BAM units stopped due to severe thunderstorms approaching.*

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**Notes:**

All readings in mg/m3

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 05-13-12**

Date: 5/9/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
NNE	6:00 AM	30 min Avg	0	0.035	0.045
NNE	6:30 AM	30 min Avg	0.01	0.045	0.055
NNE	7:00 AM	30 min Avg	0.009	0.044	0.054
NNE	7:30 AM	30 min Avg	0.01	0.045	0.055
NE	8:00 AM	30 min Avg	0.013	0.048	0.058
NE	8:30 AM	30 min Avg	0.013	0.048	0.058
NE	9:00 AM	30 min Avg	0.003	0.038	0.048
NE	9:30 AM	30 min Avg	0.001	0.036	0.046
NE	10:00 AM	30 min Avg	0.058	0.093	0.103
NE	10:30 AM	30 min Avg	0.021	0.056	0.066
NNE	11:00 AM	30 min Avg	0	0.035	0.045
NNE	11:30 AM	30 min Avg	0.006	0.041	0.051
NNE	12:00 PM	30 min Avg	0.01	0.045	0.055
NE	12:30 PM	30 min Avg	0.001	0.036	0.046
NE	1:00 PM	30 min Avg	0.018	0.053	0.063
ENE	1:30 PM	30 min Avg	0.006	0.041	0.051
ENE	2:00 PM	30 min Avg	0.009	0.044	0.054
ENE	2:30 PM	30 min Avg	0.012	0.047	0.057
ENE	3:00 PM	30 min Avg	0.006	0.041	0.051
E	3:30 PM	30 min Avg	0.005	0.040	0.050
E	4:00 PM	30 min Avg	0.016	0.051	0.061
ESE	4:30 PM	30 min Avg	0.011	0.046	0.056
E	5:00 PM	30 min Avg	0.003	0.038	0.048
E	5:30 PM	30 min Avg	0.013	0.048	0.058
	6:00PM	30 min Avg		0.035	0.045

E-BAM locations (Upwind) NW- north of building 2 (Downwind) SW- south of building 3

**Action Levels**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage:*

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**Notes:**

All readings in mg/m<sup>3</sup>

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 05-13-12**

Date: 5/10/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
ESE	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
ESE	6:30 AM	30 min Avg	0.01	30 min Avg	0.025	0.045	0.055
ESE	7:00 AM	30 min Avg	0.036	30 min Avg	0.034	0.071	0.081
ESE	7:30 AM	30 min Avg	0.016	30 min Avg	0.02	0.051	0.061
ESE	8:00 AM	30 min Avg	0.013	30 min Avg	0.014	0.048	0.058
ESE	8:30 AM	30 min Avg	0.016	30 min Avg	0.012	0.051	0.061
ESE	9:00 AM	30 min Avg	0.044	30 min Avg	0.018	0.079	0.089
ESE	9:30 AM	30 min Avg	0.031	30 min Avg	0.015	0.066	0.076
SE	10:00 AM	30 min Avg	0.006	30 min Avg	0.041	0.041	0.051
SE	10:30 AM	30 min Avg	0.003	30 min Avg	0.028	0.038	0.048
SE	11:00 AM	30 min Avg	0.019	30 min Avg	0.018	0.054	0.064
ESE	11:30 AM	30 min Avg	0.013	30 min Avg	0	0.048	0.058
ESE	12:00 PM	30 min Avg	0.012	30 min Avg	0.019	0.047	0.057
ESE	12:30 PM	30 min Avg	0.013	30 min Avg	0	0.048	0.058
SE	1:00 PM	30 min Avg	0	30 min Avg	0.011	0.035	0.045
	1:30 PM	30 min Avg		30 min Avg		0.035	0.045
	2:00 PM	30 min Avg		30 min Avg		0.035	0.045
	2:30 PM	30 min Avg		30 min Avg		0.035	0.045
	3:00 PM	30 min Avg		30 min Avg		0.035	0.045
	3:30 PM	30 min Avg		30 min Avg		0.035	0.045
	4:00 PM	30 min Avg		30 min Avg		0.035	0.045
	4:30 PM	30 min Avg		30 min Avg		0.035	0.045
	5:00 PM	30 min Avg		30 min Avg		0.035	0.045
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045
	6:00 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- north of building 2

[2:35 (Upwind) NW- west of building 14 (Downwind) SW- south of building 3]

**Action Levels**

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

*Note time/duration of work stoppage: The 10:00 reading reached an action level. More dust suppression was added to roadways and work areas.*

*At 1:20, all work and E-BAM units were shut down due to severe thunderstorms approaching the job site.*

**Notes:**

All readings in mg/m3

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 05-13-12**

Date: 5/11/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work		
SW	6:00 AM	30 min Avg	0	30 min Avg	0	0.035	0.045
SSW	6:30 AM	30 min Avg	0	30 min Avg	0.011	0.035	0.045
SSW	7:00 AM	30 min Avg	0.015	30 min Avg	0.014	0.050	0.060
WNW	7:30 AM	30 min Avg	0.006	30 min Avg	0.013	0.041	0.051
WSW	8:00 AM	30 min Avg	0.006	30 min Avg	0.012	0.041	0.051
W	8:30 AM	30 min Avg	0.004	30 min Avg	0.002	0.039	0.049
WSW	9:00 AM	30 min Avg	0.053	30 min Avg	0.032	0.088	0.098
WSW	9:30 AM	30 min Avg	0.005	30 min Avg	0.04	0.040	0.050
WSW	10:00 AM	30 min Avg	0.007	30 min Avg	0.015	0.042	0.052
SW	10:30 AM	30 min Avg	0.004	30 min Avg	0.004	0.039	0.049
SW	11:00 AM	30 min Avg	0	30 min Avg	0.003	0.035	0.045
SW	11:30 AM	30 min Avg	0.008	30 min Avg	0.011	0.043	0.053
SW	12:00 PM	30 min Avg	0.002	30 min Avg	0.007	0.037	0.047
SW	12:30 PM	30 min Avg	0.009	30 min Avg	0	0.044	0.054
SW	1:00 PM	30 min Avg	0.014	30 min Avg	0.004	0.049	0.059
WSW	1:30 PM	30 min Avg	0.01	30 min Avg	0.017	0.045	0.055
SSW	2:00 PM	30 min Avg	0.004	30 min Avg	0.01	0.039	0.049
SSW	2:30 PM	30 min Avg	0.01	30 min Avg	0.014	0.045	0.055
SE	3:00 PM	30 min Avg	0.009	30 min Avg	0.006	0.044	0.054
SE	3:30 PM	30 min Avg	0.014	30 min Avg	0.021	0.049	0.059
ESE	4:00 PM	30 min Avg	0.023	30 min Avg	0.018	0.058	0.068
ESE	4:30 PM	30 min Avg	0	30 min Avg	0.003	0.035	0.045
ESE	5:00 PM	30 min Avg	0	30 min Avg	0	0.035	0.045
	5:30 PM	30 min Avg		30 min Avg		0.035	0.045

E-BAM locations (Upwind) SW- south of building 3 (Downwind) NW- north of building 2

**Action Levels**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage: The 9:30 reading reached an action level. More dust suppression was added to roadways and work areas.*

*All work ended at 4:30 for the weekend.*

**Notes:**

All readings in mg/m<sup>3</sup>

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 05-13-12**

Date: 5/7/2012 Technician: Carl Jones

Prevailing Wind Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
	6:00 AM	30 min Avg	30 min Avg	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	11:00 AM	30 min Avg	30 min Avg	0.035	0.045
	11:30 AM	30 min Avg	30 min Avg	0.035	0.045
	12:00 PM	30 min Avg	30 min Avg	0.035	0.045
	12:30 PM	30 min Avg	30 min Avg	0.035	0.045
	1:00 PM	30 min Avg	30 min Avg	0.035	0.045
	1:30 PM	30 min Avg	30 min Avg	0.035	0.045
	2:00 PM	30 min Avg	30 min Avg	0.035	0.045
	2:30 PM	30 min Avg	30 min Avg	0.035	0.045
	3:00 PM	30 min Avg	30 min Avg	0.035	0.045
	3:30 PM	30 min Avg	30 min Avg	0.035	0.045
	4:00 PM	30 min Avg	30 min Avg	0.035	0.045
	4:30 PM	30 min Avg	30 min Avg	0.035	0.045
	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
	5:30 PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations - NA

**Action Levels**

Action level = upwind concentration + 0.035 mg/m<sup>3</sup>

Stop Work Level = upwind concentration + 0.045 mg/m<sup>3</sup>

*Note time/duration of work stoppage:*

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**Notes:**

All readings in mg/m<sup>3</sup>

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are not considered accurate.

**Former ASARCO-Encycle Demolition  
Particulate Monitoring Summary  
Week Ending 05-13-12**

Date: 5/13/2012 Technician: Carl Jones

**Prevailing Wind**

Direction	Time	Unit 2-Upwind Reading	Unit 1-Downwind Reading	Action Level	Stop Work
	6:00 AM	30 min Avg	30 min Avg	0.035	0.045
	6:30 AM	30 min Avg	30 min Avg	0.035	0.045
	7:00 AM	30 min Avg	30 min Avg	0.035	0.045
	7:30 AM	30 min Avg	30 min Avg	0.035	0.045
	8:00 AM	30 min Avg	30 min Avg	0.035	0.045
	8:30 AM	30 min Avg	30 min Avg	0.035	0.045
	9:00 AM	30 min Avg	30 min Avg	0.035	0.045
	9:30 AM	30 min Avg	30 min Avg	0.035	0.045
	10:00 AM	30 min Avg	30 min Avg	0.035	0.045
	10:30 AM	30 min Avg	30 min Avg	0.035	0.045
	11:00 AM	30 min Avg	30 min Avg	0.035	0.045
	11:30 AM	30 min Avg	30 min Avg	0.035	0.045
	12:00 PM	30 min Avg	30 min Avg	0.035	0.045
	12:30 PM	30 min Avg	30 min Avg	0.035	0.045
	1:00 PM	30 min Avg	30 min Avg	0.035	0.045
	1:30 PM	30 min Avg	30 min Avg	0.035	0.045
	2:00 PM	30 min Avg	30 min Avg	0.035	0.045
	2:30 PM	30 min Avg	30 min Avg	0.035	0.045
	3:00 PM	30 min Avg	30 min Avg	0.035	0.045
	3:30 PM	30 min Avg	30 min Avg	0.035	0.045
	4:00 PM	30 min Avg	30 min Avg	0.035	0.045
	4:30 PM	30 min Avg	30 min Avg	0.035	0.045
	5:00 PM	30 min Avg	30 min Avg	0.035	0.045
	5:30 PM	30 min Avg	30 min Avg	0.035	0.045
	6:00PM	30 min Avg	30 min Avg	0.035	0.045

E-BAM locations - NA

**Action Levels**

Action level = upwind concentration + 0.035 mg/m3

Stop Work Level = upwind concentration + 0.045 mg/m3

*Note time/duration of work stoppage:*

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**Notes:**

All readings in mg/m3

Blue text readings are pre-work levels that were collected during the E-Bam instrument warm-up period and are considered accurate.